

**Notice of Allowability**

Application No.

09/652,150

Examiner

Nelson D. Hernández

Applicant(s)

HOSHINO ET AL.

Art Unit

2622

-- The **MAILING DATE** of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to After Final Amendment filed 1/18/2008.
2. ☒ The allowed claim(s) is/are 30-32 and 34-45 (Renumbered as 1-15 respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



LIN YE  
SUPERVISORY PATENT EXAMINER

## DETAILED ACTION

### *Response to Amendment*

1. The Examiner acknowledges the amended claims filed on January 18, 2008. **Claims 30 and 34** have been amended. **Claims 1-29 and 33** have been canceled.

### *Response to Arguments*

2. Applicant's arguments, see pages 8-11, filed January 18, 2008, with respect to amended claim 30 including the limitations of previously rejected claim 33 have been fully considered and are persuasive. The rejection of claims 30 has been withdrawn.

### *Allowable Subject Matter*

3. **Claims 30-32 and 34-45** (Renumbered as 1-15 respectively) are allowed.
4. The following is a statement of reasons for the indication of allowable subject matter:
5. In regards to **claims 30, 44 and 45** (Renumbered as 1, 14 and 15 respectively), the main reason for indication of allowable subject matter is because the prior art fails to disclose or reasonably suggest an optical system having an optical module, the optical module comprising: an optical element including a light receiving portion, said light receiving portion being between a shielding layer and a lens; an optical filter between said lens and a diaphragm portion of a lens barrel, an opening through said diaphragm portion exposing said optical filter; a plate between said lens barrel and a wiring board,

said wiring board being between said optical element and said plate, wherein said plate is of a first material, said wiring board being of a material other than said first material, wherein said light receiving portion and said lens are disposed along an optical axis, wherein a through-hole extends through said lens barrel, said plate, and said wiring board, wherein said optical axis extends through said opening, said optical filter, and said through-hole, wherein said lens barrel is in an inner periphery of a holder, said plate being between said holder and said wiring board.

#### ***Contact***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nelson D. Hernández whose telephone number is (571) 272-7311. The examiner can normally be reached on 9:30 A.M. to 6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on (571) 272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number:  
09/652,150  
Art Unit: 2622

Page 4

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Nelson D. Hernández  
Examiner  
Art Unit 2622

NDHH  
February 2, 2008



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